

S.N. 08/828370

1                   ABSTRACT OF THE INVENTION

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3       A dual band radio receiver is provided. The dual band radio receiver  
4 includes a local oscillator configured to generate a local oscillator (LO) signal. The  
5 dual band radio receiver also includes first and second mixer devices. The first  
6 mixer device is configured to receive the LO signal and an RF signal included  
7 within a first band. Responsive to these signals, the first mixer device outputs a first  
8 IF signal. The second mixer device is configured to receive the LO signal and a  
9 second RF signal included within a second band. In response to these signals the  
10 second mixer device outputs a second IF signal. The local oscillator is configured to  
11 operate within a third band located between the first and second bands.

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